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(NE)
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5.23.03

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Dovek et al.
 Assignee: Maxtor Corporation
 Title: MAGNETIC STORAGE DEVICE WITH FLUX-GUIDED
 MAGNETORESISTIVE HEAD USING A PERPENDICULAR
 RECORDING MEDIA (AS AMENDED)
 Serial No.: 09/067,795 Filed: April 28, 1998
 Examiner: Letscher, G. Group Art Unit: 2652
 Atty. Docket No.: 3123-276

ASSISTANT COMMISSIONER FOR PATENTS
Washington, D.C. 20231

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Technology Center 2600

RESPONSE

In response to the Decision on Appeal dated March 26, 2003, please amend the application as follows.

In the Claims

Amend the following claims:

1. (Four Times Amended) A magnetic recording system including a head, a magnetic media with perpendicular magnetic polarity transitions written thereon and circuitry adapted to receive a readback pulse with a substantially Lorentzian pulse shape from said head and to detect said substantially Lorentzian pulse shape, said head for transferring data between the magnetic media and an exterior environment, wherein said head is a planar head, said head comprising:
 - a write element for inducing said perpendicular magnetic polarity transitions into a surface of said magnetic media during a write operation;

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